Pioneers in AV Technologies

AV Connectivity Solutions

Spring 2011

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Company

CYP has been developing innovative Audio Visual solutions for over 25 years. Our continuous goal is to provide market leading connectivity products that enhance the capability and experience of Audio Visual products in any environment. This dedication and focus has made CYP the market leader in connectivity solutions for both system integrators and professional installers throughout Europe.

Our 30+ strong team of experienced R&D engineers are focused on making sure all CYP solutions have the latest chipsets, industry leading firmware and use the best materials. This, in addition to a comprehensive product range and a full time technical support team ensures that all of our partners have complete confidence when specifying CYP in a wide range of installations.

This Product Presenter provides detailed information about CYP products and unveils the extensive specialist ranges we offer.

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Audience

The CYP Audience range offers practical solutions for audio conversion and distribution within any AV installation. Products in the range include digital to analogue converters (DAC's), switching devices and audio breakout from HDMI. These products offer real world solutions for both the audio enthusiast and professional installer alike.

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v1.3 HDMI Audio De-embedder with built in Repeater

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The AU-11SA is an advanced solution for HDMI to HDMI repeating with Audio de-embedding. Its compatible with v1.3 HDMI specifications, a cutting edge technology which defines the transfer of deep colour (12 bit) video with a high bandwidth of up to 225Mhz. Connect to source and display (HDMI), select the required audio format & output your chosen audio format to your amplifier.

Features

- Compliant with v1.3 HDMI, HDCP 1.1 and DVI 1.1 standards.
- HDMI audio de-embedder with built in repeater.
- Supports un-compressed digital LPCM 7.1, 5.1 or 2 channels and compressed digital Bitstream (Dolby TrueHD, Dolby Digital Plus, and DTS-HD Master Audio).
- Output resolution follows input resolution up to 1080p. Video pass though, no scaling.
- Supports LPCM 7.1, 5.1 or 2 channel output through multichannel analogue output ports.
- Supports CEC bypass.
- 3D Ready.

Specifications

Input:	1 x HDMI
Output:	1 x HDMI 4 x 3.5mm stereo jack plugs 1 x Optical (Toslink)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 146mm (D) x 25mm (H)
Gross Weight:	780g
Net. Weight:	500g
Packaging:	Boxed

SRS TruVolume™ - SCART Volume Control Processor

The AU-D11S SCART Volume Control Processor regulates TV-channel volume to your own comfortable audio level, preventing annoying audio fluctuations, especially during commercials or whilst channel surfing. This product will output the video and processed audio via SCART, whilst simultaneously outputting the same processed audio via analogue audio RCA connections. This is perfect for sending the processed audio to both the screen and a second location, such as an analogue audio amplifier.

Features

- SRS TruVolume™ maintains a steady volume, allowing listeners to set their desired volume once, to enjoy television, music and all other content without annoying volume fluctuations.
- Helps the hearing impaired by keeping channels at a consistent volume level so they can hear everything whilst keeping others in the room comfortable.
- Simple switched operation “On / Off”.
- Line Level inputs up to 2Vrms and Line Level outputs up to 1Vrms.
- Input via SCART, outputs via SCART and stereo RCA jacks.
- Boosts low and high frequency content dynamically (20 bands/channel) using an advanced psychoacoustic modelling engine, making the entire listening experience come alive, regardless of the audio level.
- SCART video signal bypassed to SCART output.

Specifications

Input:	1 x SCART
Output:	1 x SCART 2 x Analogue Audio L/R (RCA)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	85mm (W) x 85mm (D) x 35mm (H)
Gross Weight:	380g
Net. Weight:	200g
Packaging:	Retail Packaged

Optical Audio Distribution Amplifier

The AU-D12 is a digital audio splitter with one Optical (Toslink) input to two Optical (Toslink) outputs, maintaining a reliable and loss-less audio signal transmission.

Features

- 1:2 Optical (Toslink) Distribution Amplifier.
- Supports S/PDIF standard of digital audio transmission.
- Amplifies Optical (Toslink) output, extending another 5 metres.
- Accepts Uncompressed 2-channel LPCM (Linear Pulse Code Modulation) & Compressed 2-channel and multi-channel Dolby and DTS audio signal.
- Electromagnetic noise-free transmission.

Specifications

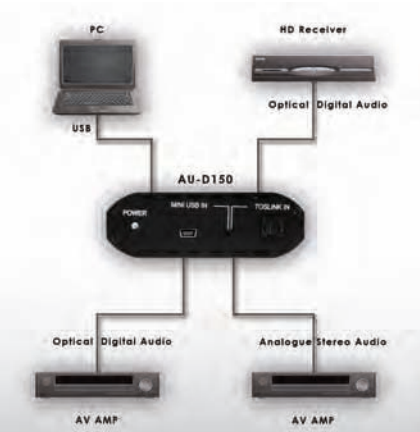
Input:	1 x Optical (Toslink)
Output:	2 x Optical (Toslink)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	200g
Net. Weight:	140g
Packaging:	Retail Blister Pack

USB/Optical Digital Audio Converter (DAC)

USB/Optical Digital Audio Converter (DAC) will convert a digital audio signal to analogue, whilst simultaneously outputting a digital optical signal. It is designed for easy installation of USB or optical sources and can be powered by USB or via the included PSU. The optical output can be linked with an amplifier or any sound system with optical SPDIF input, whilst the analogue stereo output can be connected to a TV or amplifier/speakers, for a simultaneous analogue stereo output.

Features

- USB 2.0 full speed compatible.
- USB/Optical Digital Audio Converter (DAC).
- USB audio device class specification v1.0 Compatible.
- Optical sample rate supports up to 192 kHz, 24 bit.
- USB audio support - High performance 16 bit Stereo, 48/44.1 kHz sample rate.
- Low power consumption.
- USB or PSU powered (PSU supplied).
- Simultaneous analogue & optical stereo output.



Specifications

Input:	1 x Mini USB 1 x Optical (Toslink)
Output:	2 x Analogue Audio L/R (RCA) 1 x Optical (Toslink)
Power:	5V DC - PSU Supplied or USB Cable Powered
Dimensions:	90mm (W) x 120mm (D) x 25mm (H)
Gross Weight:	460g
Net. Weight:	300g
Packaging:	Retail Packaged

Analogue Stereo Lip Sync Corrector

The AU-D18, CYP's analogue stereo Lip Sync Corrector, is a small device for correcting audio lip sync issues. This solution features a manually adjustable timing selector dial which can be adjusted so that users may fine tune the timing of the audio so that it is in sync with the video signal, overcoming any annoying sound mismatch to the display or amplifier.

Features

- Lip Sync corrector with adjustable delay between 0 & 300ms.
- Sample Rate: 48 kHz
- Analog to analog signal bypass.
- Up to 24 bit resolution.
- Low power consumption.

Specifications

Input:	2 x Analogue Audio (L/R stereo)
Output:	2 x Analogue Audio (L/R stereo)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	140g
Packaging:	Retail Packaged

Digital Audio Coaxial/Optical Converter

The AU-D2 is a versatile digital audio converter, either coaxial to optical or optical to coaxial. Simply select one of the digital audio inputs for two identical audio signals in both output formats.

Features

- Digital Audio Coaxial/Optical by-directional Converter.
- Two-way conversion; Coaxial to Optical or Optical to Coaxial.
- Supports amplification of digital audio and extends the transferring distance through coaxial and/or optical cables.
- Inputs accept audio signals from 2-channel PCM to 5.1. Output signal follows input signal.
- Select between input ports, and distribute the audio signal to both Coaxial and Optical output ports simultaneously.

Specifications

Input:	1 x Coaxial (RCA), 1 x Optical (Toslink)
Output:	1 x Coaxial (RCA), 1 x Optical (Toslink)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 55mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

Optical Audio Switcher

The AU-D21 is a Optical (Toslink) switcher, select between two Optical (Toslink) sources to one Optical (Toslink) output whilst maintaining a reliable and loss-less audio signal transmission.

Features

- 2:1 Optical (Toslink) Switcher.
- Supports S/PDIF standard of digital audio transmission.
- Amplifies digital Optical (Toslink) output, extending another 5 metres.
- Accepts uncompressed 2-channel LPCM (Linear Pulse Code Modulation), compressed 2-channel, multi-channel Dolby, and DTS audio signal.
- Electromagnetic noise-free transmission.

Specifications

Input:	2 x Optical (Toslink)
Output:	1 x Optical (Toslink)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 45mm (D) x 25mm (H)
Gross Weight:	200g
Net. Weight:	140g
Packaging:	Retail Blister Pack

Digital to Analogue Audio Converter (DAC)

The AU-D3 is designed to convert either Coaxial or Optical digital signals to analogue stereo audio. This unit is particularly useful when connecting digital TV's to analogue amplifiers.

Features

- Digital Audio to Stereo Audio Converter (DAC).
- Integrated digital interpolator filter.
- Supports digital audio signal (Coaxial/Toslink) input and analogue audio signal (L/R) output.
- Accepts uncompressed digital stereo audio input.
- Accepts 32, 44.1, 48 and 96kHz sample rates.

Specifications

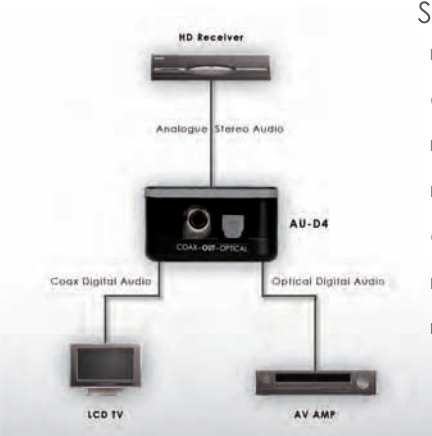
Input:	1 x Optical (Toslink) & 1 x Coaxial (RCA)
Output:	2 x Analogue Audio L/R (RCA)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 55mm (D) x 25m (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

Analogue to Digital Audio Converter

The AU-D4 is designed to convert analogue stereo audio to Digital Coaxial and/or Optical (Toslink) outputs simultaneously.

Features

- Analogue to Digital Audio Converter (ADC).
- Uncompressed 2-channel LPCM digital audio signal output.
- Amplifies digital Optical (Toslink) output, extending another 5 metres.
- Output sampling rate: 48kHz.
- Electromagnetic noise-free transmission.



Specifications

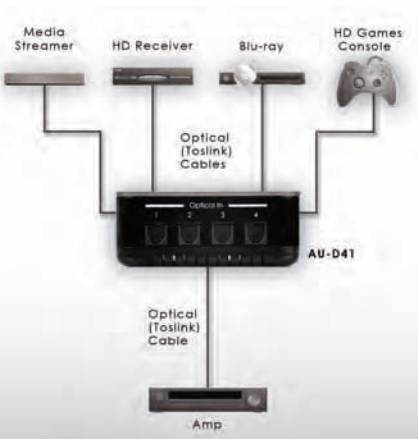
Input:	2 x Analogue Audio L/R (RCA)
Output:	1 x Coaxial (RCA), 1 x Optical (Toslink)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 55mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

4 to 1 Digital optical audio switcher with IR remote

The AU-D41 Optical Audio Switcher has a four optical inputs and one optical output. This device allows users with up to four optical sources, the ability to switch between sources whilst connected to one output display or amplifier. All signals are bypassed without delay. This device has 'last memory function' and an IR remote control for convenient use.

Features

- 4 input digital optical audio switcher.
- Optical sampling rate supports up to 192 kHz.
- Up to 24 bit resolution.
- Low power consumption.
- PCM2, AC3/5.1, Dolby 5.1 & DTS 5.1 pass through.
- Amplifies Optical (Toslink) output, extending a further 5 metres.



Specifications

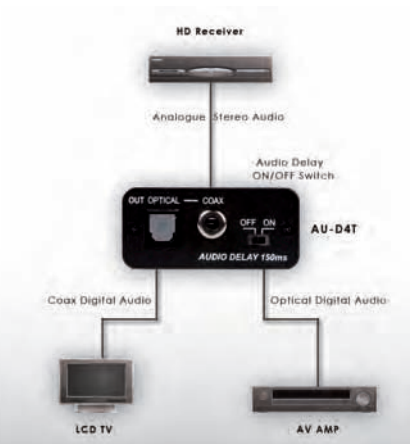
Input:	4 x Toslink (optical)
Output:	1 x Toslink (optical)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	85mm (W) x 85mm (D) x 35mm (H)
Gross Weight:	400g
Net. Weight:	200g
Packaging:	Retail Packaged

Analogue to Digital Audio Converter with Audio Delay

The AU-D4T is designed to convert analogue stereo audio to digital Coaxial and/or Optical (Toslink) outputs simultaneously with the addition of integrated Audio delay controls.

Features

- Audio delay technology provides a 150ms delay on audio output for the user to compensate for lip sync (or A/V sync).
- Uncompressed 2-channel LPCM (Linear Pulse Code Modulation) digital audio signal output.
- Amplifies digital Optical (Toslink) output, extending signal rane by an additional 5 metres.
- Output sampling rate: 48kHz.
- Simple switched operation ON/OFF.
- Electromagnetic noise-free transmission.



Specifications

Input:	2 x Analogue Audio L/R (RCA)
Output:	1 Coaxial (RCA) & 1 x Optical (Toslink)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 65mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

SRS TruVolume™ - Volume Control Processor

The AU-D6S Volume control, regulates TV-channel volume to your own comfortable audio level, preventing audio fluctuations whilst changing channels and reducing fluctuations during commercials.

Features

- SRS TruVolume™ maintains a steady volume, allowing listeners to set their desired volume once to enjoy television, music and all other content without volume fluctuations.
- Helps the hearing impaired by keeping channels at a consistent volume level so they can hear everything whilst keeping others in the room comfortable.
- Simple switched operation "On / Bypass".
- Line Level inputs up to 2Vrms and Line Level outputs up to 1Vrms, via stereo RCA jacks.
- Boosts low and high frequency content dynamically (20 bands/channel) using an advanced psycoacoustic modelling engine, making the entire listening experience come alive, regardless of the audio level.

Specifications

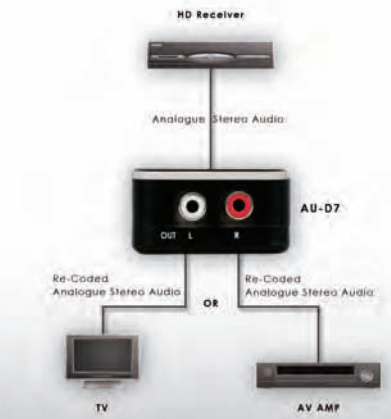
Input:	2 x Analogue Audio L/R (RCA)
Output:	2 x Analogue Audio L/R (RCA)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 55mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

Audio Processor with Virtual 5.1 Encoder

The AU-D7 is a dynamic Audio Processor for converting stereo audio signals to virtual surround sound whilst still outputting on Left & Right RCA plugs.

Features

- Uses Adaptive Sound Technology (AST) & Virtualiser X (DVX) to convert stereo to virtual 5.1 surround sound.
- Virtual surround signal (5.1 channels) output through Left & Right RCA's.
- Bandwidth Extender (DBEX) for frequency compensation.
- Smart Compression (DSC) for sound balancing.



Specifications

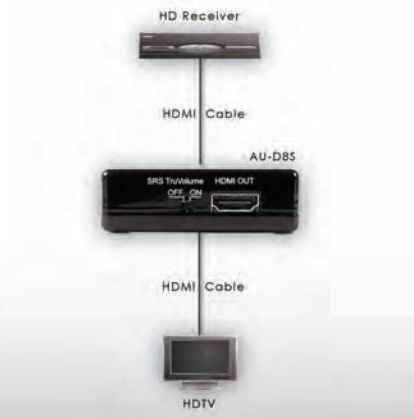
Input:	2 x Analogue Audio L/R (RCA)
Output:	2 x Analogue Audio L/R (RCA)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	45mm (W) x 55mm (D) x 25mm (H)
Gross Weight:	220g
Net. Weight:	160g
Packaging:	Retail Blister Pack

SRS TruVolume™ - HDMI Volume Control Processor

The AU-D8S HDMI Volume Control Processor regulates TV-channel volume to your own comfortable audio level, preventing annoying audio fluctuations, especially during commercials or whilst channel surfing.

Features

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant.
- SRS TruVolume™ maintains a steady volume, allowing listeners to set their desired volume once to enjoy television, music and all other content without annoying volume fluctuations.
- Helps the hearing impaired by keeping channels at a consistent volume level so they can hear everything whilst keeping others in the room comfortable.
- Simple switched operation "On / Off".
- HDMI signal amplification and equalisation for improved signal transmission.
- Video signal is bypassed through the AU-D8S and is not processed, output resolution follows input.
- HDCP compliant and supports CEC bypass.
- 3D Ready.



Specifications

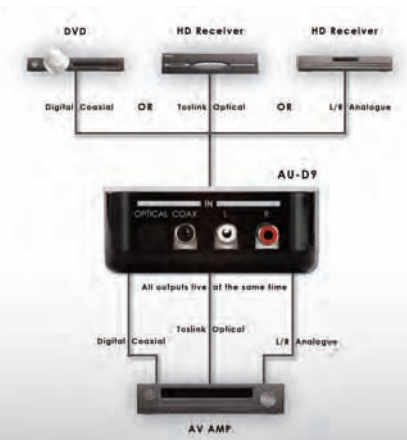
Input:	1 x HDMI
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	100mm (W) x 70mm (D) x 20mm (H)
Gross Weight:	280g
Net. Weight:	80g
Packaging:	Retail Packaged

Bi-Directional Digital/Analogue Audio Converter

The AU-D9 is a versatile audio converter allowing users to convert analogue audio into digital or digital audio into analogue. It can simultaneously output in all 3 audio formats without any signal loss.

Features

- Bi-directional Digital/Analogue Audio Converter.
- Three-way conversion: Coaxial to Optical & Analogue; Optical to Coaxial & Analogue; Analogue to Optical & Coaxial.
- Integrated digital interpolator filter and Digital-to-Analog Converter (DAC).
- Accepts uncompressed digital stereo audio input.
- Supports sample rates from 16 to 100kHz.
- Simultaneous digital & analogue audio outputs.
- Provides electromagnetic-noise-free transmission.



Specifications

Input:	1 x Coaxial (RCA) 1 x Optical (Toslink) 2 x RCA (Left/Right Audio)
Output:	1 x Coaxial (RCA) 1 x Optical (Toslink) 2 x RCA (Left/Right Audio)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	95m (W) x 85mm (D) x 35mm (H)
Gross Weight:	420g
Net. Weight:	200g
Packaging:	Boxed

Elector

The CYP Audience range offers practical solutions for audio conversion and distribution within any AV installation. Products in the range include digital to analogue converters (DAC's), switching devices and audio breakout from HDMI. These products offer real world solutions for both the audio enthusiast and professional installer alike.

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v1.3 HDMI 2-Way Switcher

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 2-way Switcher.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- Auto-switch design.
- Supports 'Deep Colour' (10, 12, & 16 bit).
- 3D Ready.

Specifications

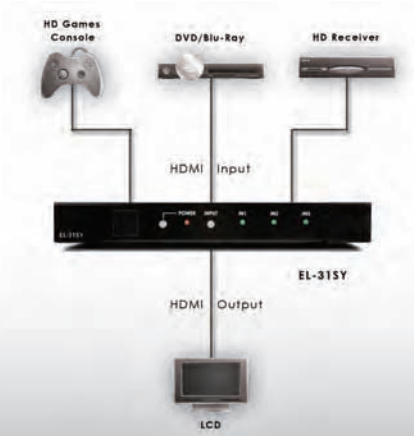
Input:	2 x HDMI
Output:	1 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	101mm (W) x 92mm (D) x 25mm (H)
Gross Weight:	520g
Net. Weight:	380g
Packaging:	Boxed

v1.3 HDMI 3-Way Switcher

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 3-way Switcher.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- IR Remote Control.
- Supports 'Deep Colour' (10, 12 & 16 bit).
- 3D Ready.



Specifications

Input:	3 x HDMI
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	200mm (W) x 105mm (D) x 32mm (H)
Gross Weight:	640g
Net. Weight:	420g
Packaging:	Boxed

v1.3 HDMI & Digital Audio 4-way Switcher

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio. The EL-41AT has additional independent digital audio on all HDMI inputs and outputs.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI & Digital Audio 4-way Switcher.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- IR Remote Control.
- Supports 'Deep Colour' (10, 12 & 16 bit).
- 3D Ready.

Specifications

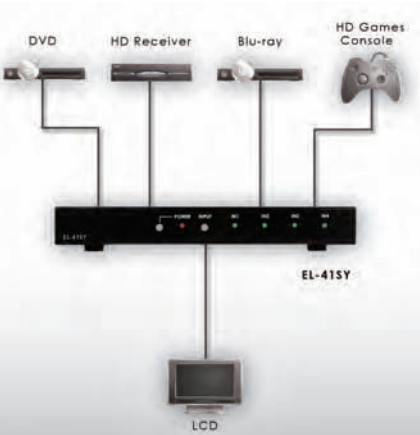
Input:	4 x HDMI 4 x Coaxial (RCA) 4 x Optical (Toslink)
Output:	1 HDMI 1 x Coaxial (RCA) 1 x Optical (Toslink)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 110mm (D) x 50mm (H)
Gross Weight:	960g
Net. Weight:	640g
Packaging:	Retail Box with Sleeve.

v1.3 HDMI 4-Way Switcher

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4-way Switcher.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- IR Remote Control.
- Supports 'Deep Colour' (10, 12 & 16 bit).
- 3D Ready.



Specifications

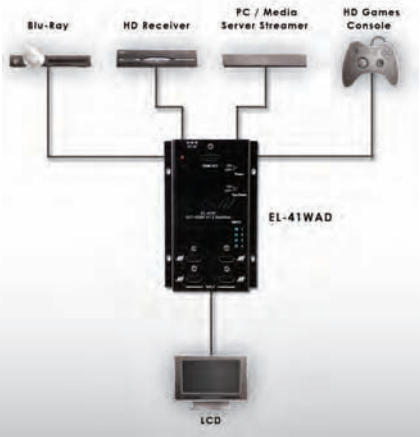
Input:	4 x HDMI
Output:	1 x HDMI
Power:	5V DC/2.6A (US/EU standards, CE/FCC/UL certified)
Dimensions:	201mm (W) x 104mm (D) x 25mm (H)
Gross Weight:	640g
Net. Weight:	420g
Packaging:	Boxed

v1.3 HDMI 4 to1 Mountable Switcher

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio. The EL-41WAD has additional features of wall mountings and a system reset function that will reset the display, every 10 minutes, to a designated source.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4 to 1 Mountable Switcher.
- Resolutions Supported:
  - PC - VGA to UXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- IR remote control.
- Supports 'Deep Colour' (10 & 12 bit).
- Supports xvYCC and CEC Bypass.
- 3D Ready.



Specifications

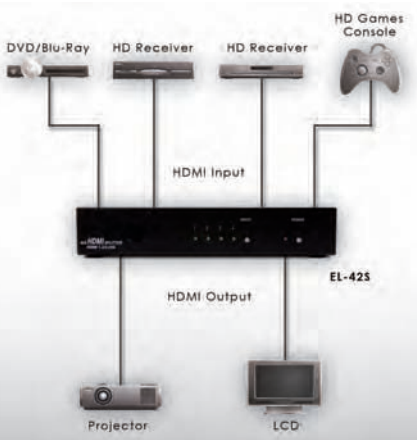
Input:	4 x HDMI
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	93mm (W) x 148mm (D) x 31mm (H)
Gross Weight:	560g
Net. Weight:	420g
Packaging:	Boxed

v1.3 HDMI 4 Way Switcher with 2 Identical Outputs

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio. The EL-42S has an additional output to display HD content on 2 displays.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4 Way Switcher with 2 Identical Outputs.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- RS-232 & IR Remote Control.
- Supports 'Deep Colour' (10, 12 & 16 bit).
- 3D Ready.



Specifications

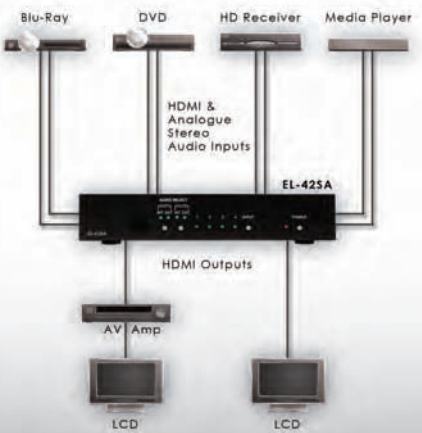
Input:	4 x HDMI
Output:	2 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 104mm (D) x 50mm (H)
Gross Weight:	820g
Net. Weight:	600g
Packaging:	Boxed

v1.3 HDMI 4 by 2 Switcher with Analogue Audio Routing

The EL-42SA switcher from the Elector Range, is compatible to v1.3 HDMI specifications, supporting up to 12 bit Deep Colour together with High Definition audio. This switcher features additional analogue audio inputs for each of the four HDMI inputs. It has dual HDMI output which can be separately configured for audio routing, either internal (HDMI audio) or external (analogue stereo audio).

Features

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant.
- HDMI 4 Way Switcher with 2 Identical Outputs and audio routing.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (1920x1200).
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- RS-232 & IR Remote Control.
- Supports 'Deep Colour' (10 & 12 bit).
- Additional analogue stereo audio inputs for routing to HDMI outputs.
- Dual HDMI outputs for simultaneous connection to two HD Displays.
- 3D Ready.



Specifications

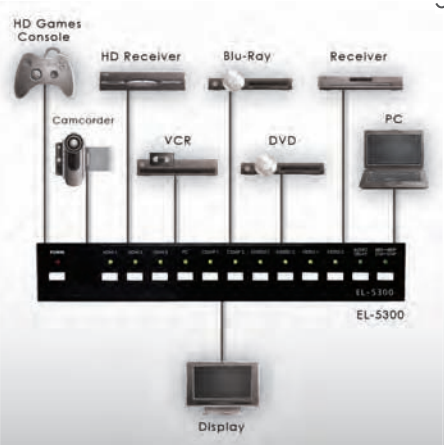
Input:	4 x HDMI 8 x RCA (4 x Analogue Stereo)
Output:	2 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 104mm (D) x 50mm (H)
Gross Weight:	1340g
Net. Weight:	1080g
Packaging:	Boxed

Multimedia Converter, De-Interlacer & Switcher

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio. The EL-5300 allows the user to convert, de-interlace & Switch all their analogue and digital devices to HDMI. All standard definition inputs can be de-interlaced for compatibility with all HDMI displays. The EL-5300 has the additional benefit of RS-232 control.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- Multimedia Converter, De-Interlacer & Switcher.
- Supports a wide range of PC and HDTV resolutions from VGA to SXGA @ 60Hz and 480i to 1080p, including 1080p 24fps.
- Accepts a variety of analogue/digital video & audio inputs.
- Format conversion from 480i/576i to 480p/576p (de-interlaced).
- RS-232 & IR remote Control.
- Supports 150ms audio delay. NOTE: This feature will not function when input is from HDMI source.
- 3D noise reduction (DNR) & Comb Filtering.
- 3D Ready.



Specifications

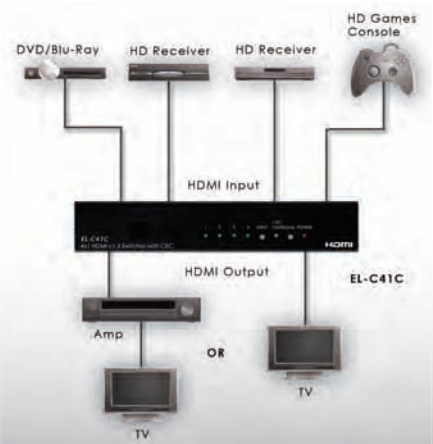
Input:	3 x HDMI 1 x 15pin D-sub + 1 x 3.5mm Stereo Audio Jack 2 x Y/Pb/Pr with R/L Audio 2 x CV/SV with R/L Audio 1 x RS-232
Output:	1 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	280mm (W) x 150mm (D) x 48mm (H)
Gross Weight:	1340g
Net. Weight:	940g
Packaging:	Boxed

v1.3 HDMI 4-Way Switcher with CEC Control

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio. This CEC command function switcher allows the latest v1.3 HDMI equipment to Auto-Switch on source power up.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4-Way Switcher with CEC Control.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA .
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- RS-232 & IR Remote Control.
- CEC Auto switch control function.
- Supports 'Deep Colour' (10 & 12 bit).
- 3D Ready.



Specifications

Input:	4 x HDMI 1 x RS-232
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 110mm (D) x 50mm (H)
Gross Weight:	760g
Net. Weight:	500g
Packaging:	Boxed

v1.3 HDMI 6-Way Switcher with CEC

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio. This CEC command function switcher allows the latest v1.3 HDMI equipment to Auto-Switch on source power up.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 6-Way Switcher with Consumer Electronics Control (CEC).
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA .
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- RS-232 & IR Remote Control.
- CEC Auto switch control function.
- Supports 'Deep Colour' (10 & 12 bit).
- 3D Ready.

Specifications

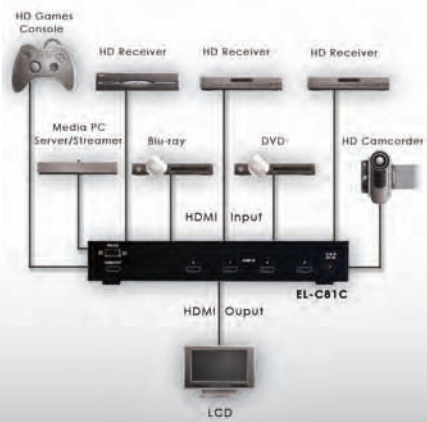
Input:	6 x HDMI 1 x RS-232
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 110mm (D) x 50mm (H)
Gross Weight:	760g
Net. Weight:	540g
Packaging:	Boxed

v1.3 HDMI 8-Way Switcher with CEC

Each switcher in the Elector Range is compatible to v1.3 HDMI specifications, supporting up to 16 bit Deep Colour together with High Definition audio. This CEC command function switcher allows the latest v1.3 HDMI equipment to Auto-Switch on source power up.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 8-Way Switcher with Consumer Electronics Control (CEC).
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA .
  - HDTV - 480i, 576i, 480p, 576p, 720p, 1080i, 1080p and 1080p24fps.
- High Definition Audio supported - Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal enhancement feature can improve signal quality after long distance transmission.
- RS-232 & IR Remote Control.
- CEC Auto switch control function.
- Supports 'Deep Colour' (10 & 12 bit).
- 3D Ready.



Specifications

Input:	8 x HDMI 1 x RS-232
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	280mm (W) x 115mm (D) x 45mm (H)
Gross Weight:	760g
Net. Weight:	540g
Packaging:	Boxed

Orbit

The CYP Orbit range of matrix products are considered the ultimate one-box switch and distribution system, allowing independent or multi-source switching to each display. Solutions are available in HDMI and Component Video formats. HDMI over CAT5e and CAT6 Matrix products are also available from the Puma Range.

www.cypeurope.com

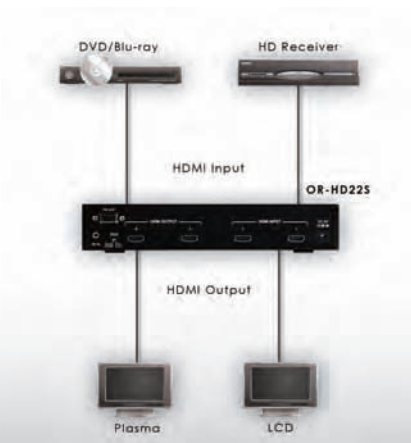
www.cie-group.com

v1.3 HDMI 2 x 2 Matrix Switcher

Each HDMI matrix in the Orbit range of full matrix switchers is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. The OR-HD22S also has the additional benefit of RS-232 control.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 2 x 2 Matrix Switcher.
- Resolutions supported:
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- The HDMI input is compensated, clock/phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Supports IR remote control and IR extender together with RS-232 control.
- Supports 'Deep Colour' (10 & 12 bit).
- 3D Ready.



Specifications

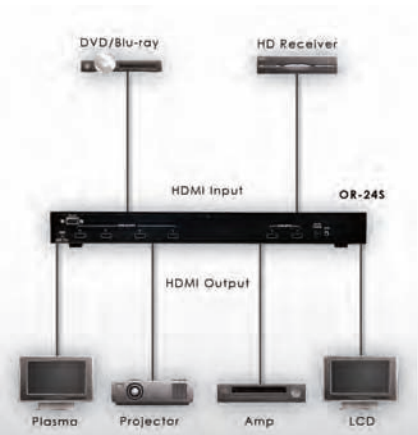
Input:	2 x HDMI 1 x IR Extender
Output:	2 x HDMI 1 x RS-232
Power:	5V/3.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 165mm (D) x 48mm (H)
Gross Weight:	1180g
Net. Weight:	880g
Packaging:	Boxed

v1.3 HDMI 2 x 4 Matrix Switcher

Each HDMI matrix in the Orbit range of full matrix switchers is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Defination Audio. The OR-HD24S also has the additional benefit of RS-232 control.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 2 x 4 Matrix Switcher.
- Resolutions supported:
- PC - VGA to UXGA
- HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

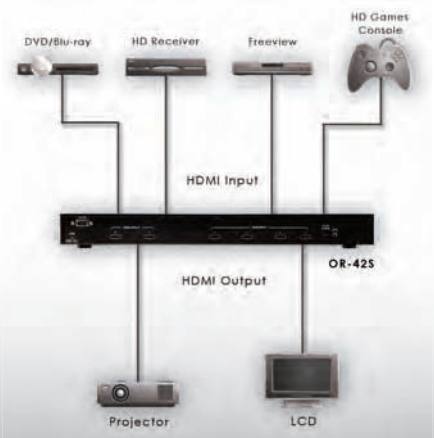
Input:	2 x HDMI 1 x IR Extender
Output:	4 x HDMI 1 x RS-232
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	440mm (W) x 175mm (D) x 48mm (H)
Gross Weight:	2140g
Net. Weight:	1760g
Packaging:	Boxed

v1.3 HDMI 4 x 2 Matrix Switcher

Each HDMI matrix in the Orbit range of full matrix switchers is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. The OR-HD42S also has the additional benefit of RS-232 control.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4 x 2 Matrix Switcher.
- Resolutions supported:
- PC - VGA to UXGA.
- HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Supports IR remote control and IR extender together with RS-232 control.
- Supports 'Deep Colour' (10 & 12 bit).
- 3D Ready.



Specifications

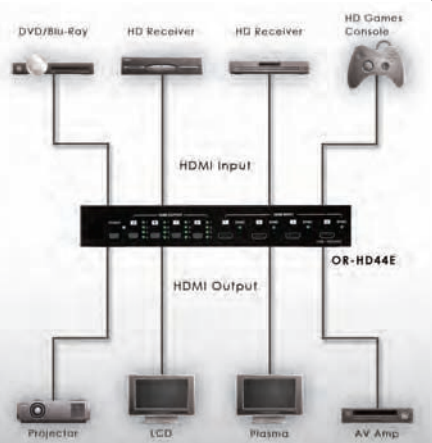
Input:	4 x HDMI 1 x IR Extender
Output:	2 x HDMI 1 x RS-232
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	440mm (W) x 175mm (D) x 48mm (H)
Gross Weight:	2140g
Net. Weight:	1760g
Packaging:	Boxed

v1.3 HDMI 4 x 4 Matrix Switcher

Each HDMI matrix in the Orbit range of full matrix switchers is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. The OR-HD44E also has the additional benefit of RS-232 control.

Features

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant.
- HDMI 4 x 4 Matrix Switcher.
- Resolutions supported:
  - PC - VGA to UXGA;
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- The HDMI input is compensated, clock/phase adjusted & jitter eliminated so the output is a brand new standard HDMI signal.
- Supports IR remote control and IR extender together with RS-232 control.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

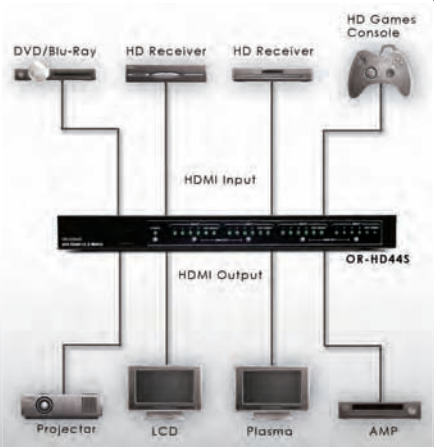
Input:	4 x HDMI 1 x IR Extender
Output:	4 x HDMI 1 x RS-232
Power:	5V/3.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	280mm (W) x 145mm (D) x 50mm (H)
Gross Weight:	1580g
Net. Weight:	1280g
Packaging:	Boxed

v1.3 HDMI 4 x 4 Matrix Switcher

Each HDMI matrix in the Orbit range of full matrix switchers is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. The OR-HD44S also has the additional benefit of RS-232 control.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 4 x 4 Matrix Switcher.
- Resolutions supported:
  - PC - VGA to UXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

Input:	4 x HDMI 1 x IR Extender
Output:	4 x HDMI 1 x RS-232
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	440mm (W) x 175mm (D) x 48mm (H)
Gross Weight:	2180g
Net. Weight:	1800g
Packaging:	Boxed

v1.3 HDMI 8 x 8 Matrix Switcher

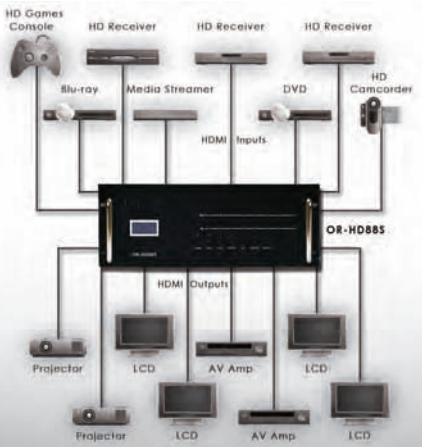
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Each HDMI matrix in the Orbit range of full matrix switchers is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. As multiple HDMI inputs and outputs increase, the need for a HDMI matrix that will inter-connect these HDMI devices is becoming more eminent. The OR-HD88S 8 x 8 HDMI Matrix provides a robust and convenient solution for these installations.

Features

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant.
- HDMI 8 x 8 Matrix Switcher.
- Resolutions supported:
  - PC - VGA to UXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal running up to 15m at 1080p.
- RS-232 and IR remote control (Master & Zoned), plus IR extender.
- Supports Deep Colour (10 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- Recall, Memory & Key Lock function.
- 3D Ready.



Specifications

Input:	8 x HDMI Service Ports - 1 x RS-232, 1 x USB, 1 x IR Jack.
Output:	8 x HDMI 1 x RS-232.
Power:	24V/6.25A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	482mm (W) x 325mm (D) x 176mm (H)
Gross Weight:	9500g
Net. Weight:	7500g
Packaging:	Boxed

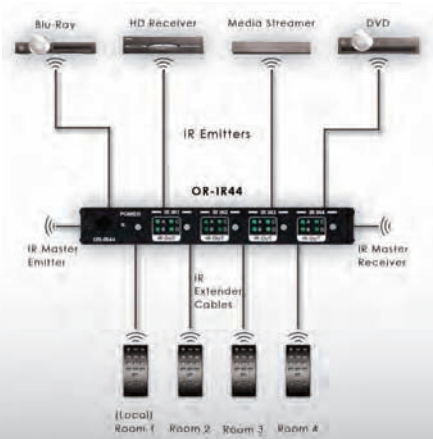
Infrared 4 x 4 Matrix

3D READY

The OR-IR44 infrared matrix is designed for controlling up to four sources from four display locations, using the original source remote controls or universal remote controls. A true matrix design allows any of the four inputs to be routed to any (or all) of the IR outputs giving full independent source to screen control.
This solution also has an additional master input and output. In addition to the user-defined settings of the matrix, all incoming signals are routed to the master output, and all master input signals are routed to all of the outputs. A 5-eye emitter can be connected to the master output, giving the ability to control all four sources, plus an AV matrix.

Features

- Infrared 4 x 4 Matrix with additional master input & output.
- Supports independent and total IR receiver and IR blaster selection and control.
- Only infrared signals are supported. This product does not send any AV signals.
- Supports 20 kHz ~ 70 kHz IR frequency.
- 3D Ready.



Specifications

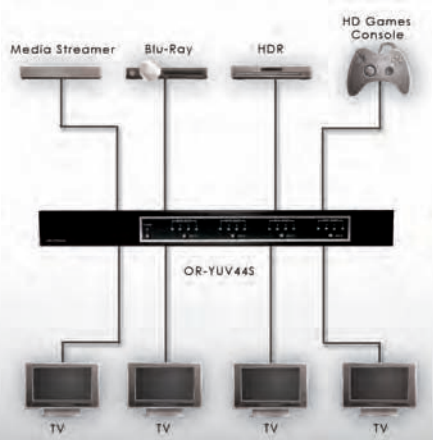
Input:	5 x Mini Jack Female (IR Receivers)
Output:	5 x Mini Jack Female (IR Blaster)
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	180mm (W) x 120mm (D) x 25mm (H)
Gross Weight:	1040g
Net. Weight:	840g
Packaging:	Boxed

Component 4 x 4 Matrix Switcher with Digital Audio

A high performance Component Video with Digital/Analogue Audio Matrix. Each of the four HDTV audio/video sources can be directed to any one of the four outputs or all four displays can show one identical input source at the same time. The OR-YUV44S also has the additional benefit of RS-232 control.

Features

- Provides 4 x 4 matrix input/output of Component video (YPbPr/YCbCr) and Left/Right stereo & Coaxial digital audio signal.
- Component 4 x 4 Matrix Switcher with Digital Audio.
- Supports high resolution input/output:
  - HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Buffered video and audio output.
- IR remote control plus RS-232 control.
- 3D Ready.



Specifications

Input:	4 x Component (YPbPr/YCbCr) + Coaxial & L/R Audio 1 x IR Extender
Output:	4 x Component (YPbPr/YCbCr) + Coaxial & L/R Audio
Power:	12V/1.25A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 125mm (D) x 48mm (H)
Gross Weight:	1540g
Net. Weight:	1120g
Packaging:	Boxed

CAT6 OUT

Puma

CYP has developed a "best of breed", market leading range of products for distributing and controlling HD content over long distances utilising CAT5e or CAT6 cable. The Puma Range now includes a selection of CAT5e or CAT6 matrix units which are the perfect solution for any commercial or residential installation requiring extended signal runs.

www.cypeurope.com

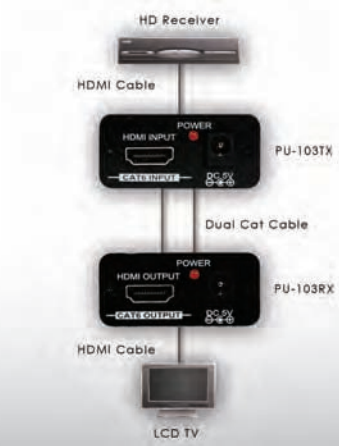
www.cie-group.com

v1.3 HDMI over CAT5e / CAT6 Extender Set

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. For even longer distances, also use the PU-108 repeater, which can be cascaded.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI over CAT6 Extender Set.
- Resolutions supported:
  - PC - VGA to WXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions.
- Supports 'Deep Colour' (10, & 12 bit).
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality.
- 3D Ready.



Specifications

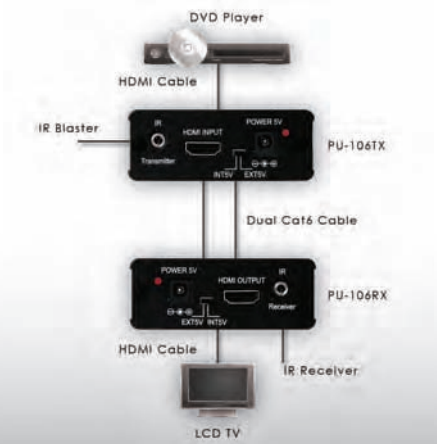
Input:	
(Transmitter)	1 x HDMI
(Receiver)	1 x CAT5e/6 for Video, 1 x CAT5e/6 for DDC
Output:	
(Transmitter)	1 x CAT5e/6 for Video, 1 x CAT5e/6 for DDC
(Receiver)	1 x HDMI
Power:	2 x 5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 62mm (D) x 23mm (H)
Gross Weight:	520g
Net. Weight:	340g
Packaging:	Boxed

v1.3 HDMI over CAT5e / CAT6 Extender Set with IR Pass-through

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. The PU-106 also allows you to use your existing Remote Control to control your device with the included IR Reciever & Blaster.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI over CAT6 Extender Set.
- Resolutions supported:
  - PC - VGA to WXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions & IR blaster.
- Supports 'Deep Colour' (10 & 12 bit).
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality.
- 3D Ready.



Specifications

Input:	
(Transmitter)	1 x HDMI, 1 x IR Jack
(Receiver)	2 x CAT5e/6, 1 x IR Jack
Output:	
(Transmitter)	2 x CAT5e/6, 1 x IR Jack
(Receiver)	1 x HDMI, 1 x IR Jack
Power:	2 x 5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 72mm (D) x 30mm (H) each
Gross Weight:	920g
Net. Weight:	760g
Packaging:	Boxed

v1.3 HDMI over CAT6 Extender Set with IR Pass-through

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 45m. For even longer distances, use the PU-108 repeater, these can also be cascaded. The PU-1106 also allows you to use your existing Remote Control to control your device with the included IR Receiver & Blaster.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI over CAT6 Extender Set.
- Resolutions supported:
  - PC - VGA to WXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions & IR blaster.
- CAT I/O can run up to 40m @ 1080p8bit video and can be extended with the PU-108 CAT repeater.
- Supports 'Deep Colour' (10 & 12 bit) - Transmission distances may be reduced at higher colour depths.
- 3D Ready.

Specifications

Input:	
(Transmitter)	1 x HDMI
(Receiver)	2 x CAT5e/6, 1 x IR Jack
Output:	
(Transmitter)	2 x CAT5e/6, 1 x IR Jack
(Receiver)	1 x HDMI
Power:	2 x 5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 72mm (D) x 30mm (H) each
Gross Weight:	920g
Net. Weight:	760g
Packaging:	Boxed

CAT6 to HDMI Receiver with IR Pass-through

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The PU-1106RX Receiver is the perfect partner for all CYP HDMI over Twin CAT5e/6 Switching and Distribution products, allowing you to extend HDMI signals via CAT5e/6 cabling up to 40m. For even longer distances, use the PU-108 repeater, which can also be cascaded. The PU-1106RX also allows you to use your existing Remote Control to control your device with the included IR Receiver.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI over CAT6 Extender Set.
- Resolutions supported:
  - PC - VGA to WXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions & IR blaster.
- CAT I/O can run up to 40m @ 1080p8bit video and can be extended with the PU-108 CAT repeater.
- Supports 'Deep Colour' (10 & 12 bit) - Transmission distances may be reduced at higher colour depths.
- 3D Ready.

Specifications

Input:	2 x CAT5e/6, 1 x IR Jack
Output:	1 x HDMI
Power:	2 x 5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	80mm (W) x 72mm (D) x 30mm (H)
Gross Weight:	540g
Net. Weight:	380g
Packaging:	Boxed

Pure Digital v1.3 HDMI over single CAT6 Transmitter & Receiver Set

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 40m. The PU-107 can send and receive a pure digital v1.3 HDMI signal over a single CAT6 cable allowing HD Audio & 'deep colour' support.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- v1.3 HDMI over single CAT6 transmitter and receiver set.
- Resolutions supported:
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Supports CEC bypass.
- Supports xvYCC.
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality.
- 3D Ready.

Specifications

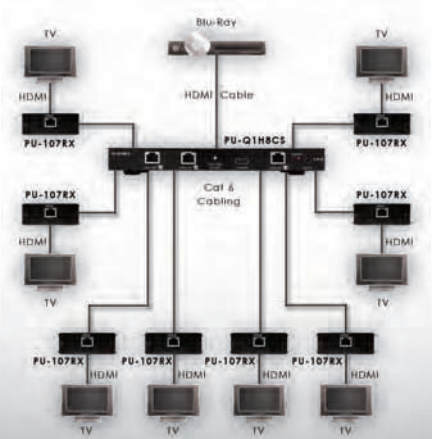
Input:	
(Transmitter)	1 x HDMI
(Receiver)	1 x CAT6
Output:	
(Transmitter)	1 x CAT6
(Receiver)	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	78mm (W) x 72mm (D) x 30mm (H) each
Gross Weight:	860g
Net. Weight:	520g
Packaging:	Boxed

Pure Digital v1.3 HDMI over single CAT6 Receiver

The PU-107RX Receiver is the perfect partner for all CYP HDMI over Single CAT6 switching and distribution products. This advanced device is capable of receiving pure digital HDMI signals, extended via a single CAT6 cable infrastructure, for up to 40m. The PU-107RX supports HD Audio, 'Deep Colour', and full 3D compatibility, making this solution a truly superb installer choice for the very highest quality results.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- v1.3 HDMI over single CAT6 transmitter and receiver set.
- Resolutions supported:
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Supports CEC bypass.
- Supports xvYCC.
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality.
- 3D Ready.



Specifications

Input:	1 x CAT6
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	78mm (W) x 72mm (D) x 30mm (H)
Gross Weight:	660g
Net. Weight:	260g
Packaging:	Boxed

v1.3 HDMI - CAT5e / CAT6 Repeater

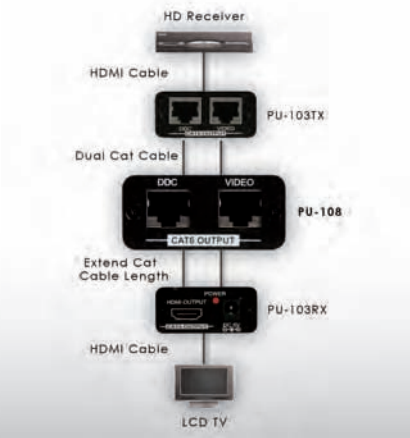
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

A dedicated extender for extending the CAT6 cables used with the PU-103, PU-1103, and PU-1106 HDMI over CAT6 Extender Sets. This great device will extend your cabling up to 25 metres either side of the repeater, allowing IR pass-through, and can be cascaded.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI over CAT5e / CAT6 Repeater.
- Resolutions supported:
  - PC - VGA to WXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Compatible with CAT-5e and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions.
- Supports 'Deep Colour' (10 & 12 bit).
- Supports Infra Red control signals throughput when in use with PUMA product which enable IR control.
- 3D Ready.



Specifications

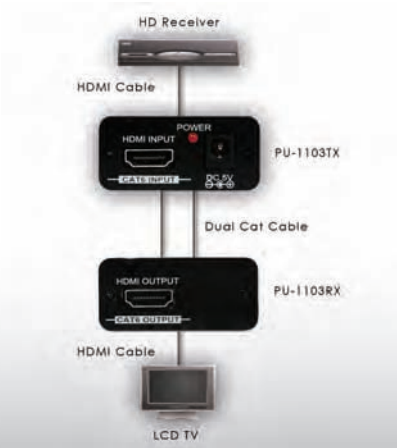
Input:	1 x CAT5e/6 for Video, 1 x CAT5e/6 for DDC
Output:	1 x CAT5e/6 for Video, 1 x CAT5e/6 for DDC
Power:	n/a - seperate power supply not required.
Dimensions:	50mm (W) x 70mm (D) x 23mm (H)
Gross Weight:	160g
Net. Weight:	100g
Packaging:	Boxed

v1.3 HDMI over CAT6 Extender Set

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. For even longer distances, use the PU-108 repeater, these can also be cascaded. The PU-1103 receiver unit does not require local power (power is received through the DDC CAT5e/6 cable from the transmitter).

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI over CAT6 Extender Set.
- Resolutions supported:
  - PC - VGA to WXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions.
- Supports 'Deep Colour' (10, & 12 bit).
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality.
- 3D Ready.



Specifications

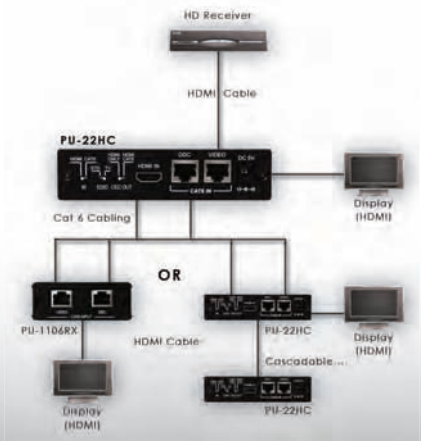
Input: (Transmitter) (Receiver)	 1 x HDMI female port 1 x CAT5e/6 for video, 1 x CAT5e/6 for DDC
Output: (Transmitter) (Receiver)	 1 x CAT5e/6 for video, 1 x CAT5e/6 for DDC 1 x HDMI female port
Power:	1 x 5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 72mm (D) x 23mm (H) each
Gross Weight:	540g
Net. Weight:	380g
Packaging:	Boxed

v1.3 HDMI/CAT6 to HDMI/CAT6 Cascader

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. The PU-22HC cascader with its dual input and outputs allows for great flexiblity within any HDMI over CAT6 system.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI/CAT6 to HDMI/CAT6 Cascader.
- Resolutions supported:
  - PC - VGA to WUXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Supports CEC functions.
- Supports 'Deep Colour' (10 & 12 bit).
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality.
- 3D Ready.



Specifications

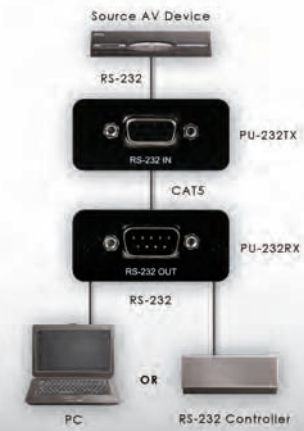
Input:	2 x CAT6 1 x HDMI
Output:	2 x CAT6 1 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	125mm (W) x 120mm (D) x 30mm (H)
Gross Weight:	700g
Net. Weight:	600g
Packaging:	Boxed

RS-232 Control Over CAT5/6 Extender Set

The CAT5/6 RS-232 extender is an affordable, hardware-based solution providing control of any RS-232 protocol device. This transmitter and receiver set will extend the control of RS-232 for over 250 meters. The RS-232 extender also provides full duplex transmission and hardware handshake signals, with no need for any set up or configuration.

Features

- Extends any RS-232 compliant device up to 250 metres from the source to display.
- Requires only one CAT5/6 cable.
- Perfect for digital signage applications.
- Baud Rate: 110~921600.
- Data bit: 8bit.
- 3D Ready.



Specifications

Input:	1 x RS-232 D-sub (9-pin female) 1 x CAT5/6
Output:	1 x RS-232 D-sub (9-pin female) 1 x CAT5/6
Power:	2 x 5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	50mm (W) x 61mm (D) x 23mm (H) each
Gross Weight:	380g
Net. Weight:	260g
Packaging:	Boxed

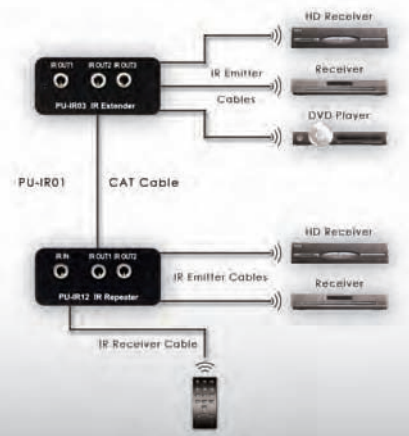
Infrared over CAT5/6 extender set

3D READY

The IR Extender and the Repeater set is perfect for controlling IR controlled source equipment over long distances. Up to five sources can be controlled using this extender set. Two sources can be controlled located locally to the repeater, whilst the remaining three sources can be controlled locally to the extender, which can be located up to 250m away via CAT5/6 cable. This system allows for the sources to be controlled by their own original remote controls, from extended distances. A 5-eye emitter accessory can be supplied for additional control of extra source equipment.

Features

- Supports five outputs (two from the repeater, three from the extender).
- Control source equipment from a distance of up to 250 metres away, via CAT5/6 cable.
- Transmits infrared signals only.
- Allows the use of existing remote controls.
- 3D Ready.



Specifications

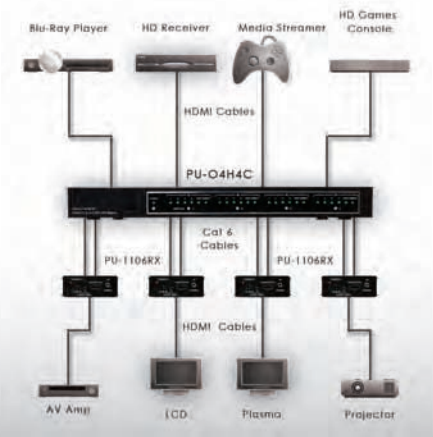
Input:	1 x IR Jack 1 x CAT5/6
Output:	2 x IR Jack, 1 x CAT5/6 3 x IR Jack
Power:	5V/1A DC each (US/EU standards, CE/FCC/UL certified)
Dimensions:	60mm (W) x 50mm (D) x 25mm (H)
Gross Weight:	Repeater = 340g Extender = 240g
Net. Weight:	Repeater = 260g Extender = 140g
Packaging:	Boxed

v1.3 HDMI 4x4 Matrix with built in HDMI over CAT6 outputs

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. The PU-O products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI Matrix switcher (ORBIT) to provide versitility to HDMI installations. The PU-O4H4C HDMI matrix has 4 HDMI input and 4 CAT transmitter outputs. Each of the four HDMI sources can be directed to any one of the four CAT outputs, so each display can show the same or a different source.

Features

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant.
- HDMI 4x4 Matrix with built in HDMI over CAT6 outputs.
- Resolutions supported: PC - VGA to UXGA ; HDTV - 480i to 1080p + 1080p24fps.
- High Definition audio supported: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio + LPCM.
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- RS-232 and IR remote control, plus IR extender.
- Supports Deep Colour (10/12 bit).
- 3D Ready.



Specifications

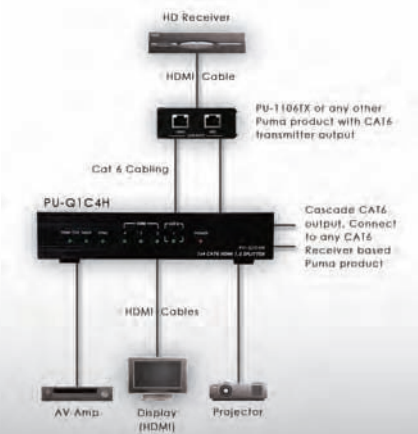
Input:	4 x HDMI 1 x IR Jack
Output:	8 x CAT5e/6 (2 for each output) 1 x IR Jack, 1 X RS-232
Power:	5V/6A, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	438mm (W) x 175mm (D) x 44mm (H)
Gross Weight:	3440g
Net. Weight:	3080g
Packaging:	Boxed

1 to 4 CAT6 to HDMI splitter

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versitility to HDMI installations. The PU-Q1C4H has 1 CAT receiver input and 1 CAT transmitter output with 3 HDMI outputs.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- 1 to 4 CAT6 to HDMI splitter
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- CAT I/O can run up to 30m @ 1080p. HDMI Output can run up to 10m.
- Selectable EDID settings - TV (downstream) and STD (fixed).
- Supports 'Deep Colour' (10, & 12).
- IR extender I/O
- System reset function switch generate a command every 10 minutes to the connected display which resets them to the correct HDMI input.
- 3D Ready.



Specifications

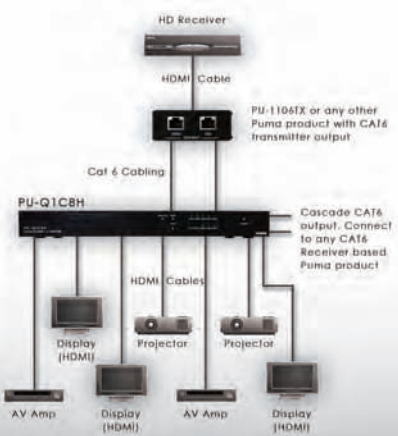
Input:	2 x CAT5e/6 (2 for each input) 1 x IR Jack
Output:	2 x CAT5e/6, (2 for each output) 1 x IR Jack, 3 x HDMI
Power:	5V 2.6A DC, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	215mm (W) x 132mm (D) x 40mm (H)
Gross Weight:	900g
Net. Weight:	700g
Packaging:	Boxed

1 to 8 CAT6 to HDMI splitter

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versitility to HDMI installations. The PU-Q1C8H has 1 CAT receiver input and 1 CAT transmitter output with 7 HDMI outputs.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- 1 to 8 CAT6 to HDMI splitter.
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- CAT I/O can run up to 30m @ 1080p. HDMI Output can run up to 10m.
- Selectable EDID settings - TV (downstream) and STD (fixed).
- Supports 'Deep Colour' (10, & 12).
- IR extender I/O.
- 3D Ready.



Specifications

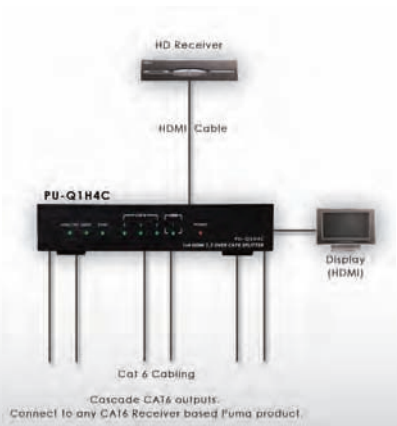
Input:	2 x CAT5e/6 (2 for each input) 1 x IR Jack
Output:	2 x CAT5e/6 (2 for each output) 1 x IR Jack 7 x HDMI
Power:	5V/6A, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 160mm (D) x 50mm (H)
Gross Weight:	1900g
Net. Weight:	1700g
Packaging:	Boxed

1 to 4 HDMI to CAT6 splitter

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versitility to HDMI installations. The PU-Q1H4C has 1 HDMI input & 1 HDMI output and 3 CAT transmitter outputs.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- 1 to 4 HDMI to CAT6 splitter.
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- CAT I/O can run up to 30m @ 1080p. HDMI Output can run up to 10m.
- Selectable EDID settings - TV (downstream) and STD (fixed).
- Supports 'Deep Colour' (10, & 12).
- 3D Ready.



Specifications

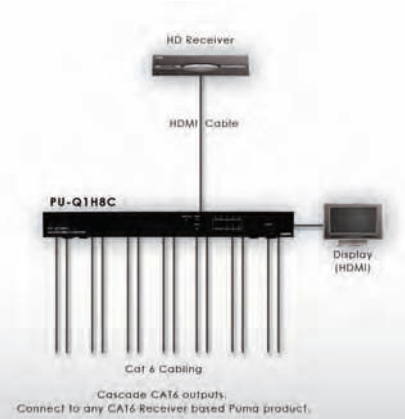
Input:	1 x HDMI 1 x IR Jack
Output:	1 x HDMI 1 x IR Jack 6 x CAT5e/6 (2 for each output)
Power:	5V/2.6A, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	215mm (W) x 132mm (D) x 40mm (H)
Gross Weight:	920g
Net. Weight:	720g
Packaging:	Boxed

1 to 8 HDMI to CAT6 splitter

All the PUMA, HDMI over CAT5e/6 transmitters and receivers are the perfect solution to extend HDMI signals via CAT cabling up to 30m. The PU-Q products within the PUMA range combine HDMI over CAT5e/6 (PUMA) & HDMI distribution (QUANTUM) to provide versatility to HDMI installations. The PU-Q1H8C has 1 HDMI input and 1 HDMI output with 7 CAT transmitter outputs.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- 1 to 8 HDMI to CAT6 splitter.
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- CAT I/O can run up to 30m @ 1080p. HDMI Output can run up to 10m.
- Selectable EDID settings - TV (downstream) and STD (fixed).
- Supports 'Deep Colour' (10, & 12).
- IR extender I/O.
- 3D Ready.



Specifications

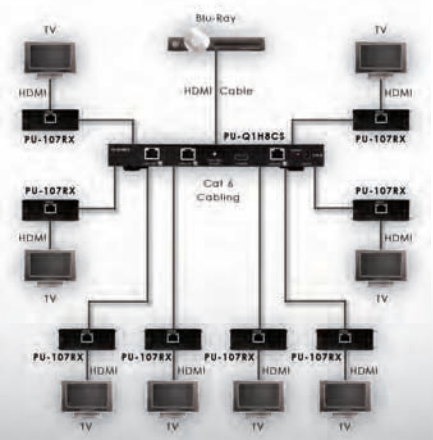
Input:	1 x HDMI 1 x IR Jack
Output:	1 x HDMI 1 x IR Jack 14 x CAT5e/6 (2 for each output)
Power:	5V/6A, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 160mm (D) x 50mm (H)
Gross Weight:	1900g
Net. Weight:	1720g
Packaging:	Boxed

1 to 8 HDMI to single CAT6 splitter

The PU-Q1H8CS has 1 HDMI input and 8 single CAT6 outputs to simultaneously distribute a HDMI source to eight displays. This solution is perfect for distributing the HDMI source content over longer distances than is usually achievable with HDMI cable, using cost effective CAT6 cable infrastructure.
Use the PU-107RX Single CAT6 to HDMI Receivers on each of the eight CAT6 outputs to convert back from CAT6 to HDMI for connection to the display/s.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- 1 to 8 HDMI to single CAT6 splitter.
- Resolutions supported:
  - PC - VGA to WUXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- CAT output can run up to 40m @ 1080p, 8 bit.
- Selectable EDID settings - TV (downstream) or STD (fixed) and 12 bit or 8 bit Deep Colour.
- Supports 'Deep Colour' (10 & 12 bit).
- 3D Ready.



Specifications

Input:	1 x HDMI
Output:	8 x Single CAT6
Power:	5V/3.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 100mm (D) x 25mm (H)
Gross Weight:	1100g
Net. Weight:	800g
Packaging:	Boxed

Quantum

A range of HD distribution amplifiers with proven industry success within many diverse applications. The CYP Quantum series uses the latest HDMI firmware and is available in a wide range of configurations including CEC pass-through.

www.cypeurope.com

www.cie-group.com

v1.3 HDMI 1 to 2 Distribution Amplifier

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 20 metres and can also be cascaded.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 2 Splitter.
- Resolutions supported:
  - PC - VGA to UXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10, & 12 bit).
- 3D Ready.

Specifications

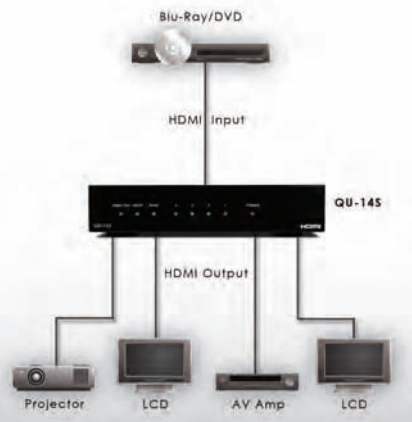
Input:	1 x HDMI
Output:	2 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 146mm (D) x 25mm (H)
Gross Weight:	780g
Net. Weight:	500g
Packaging:	Boxed

v1.3 HDMI 1 to 4 Distribution Amplifier

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 20 metres and can also be cascaded.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 4 Splitter.
- Resolutions supported:
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10, & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

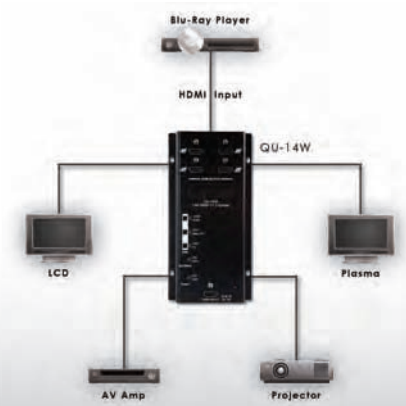
Input:	1 x HDMI
Output:	4 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	215mm (W) x 135mm (D) x 45mm (H)
Gross Weight:	800g
Net. Weight:	580g
Packaging:	Boxed

v1.3 HDMI 1 to 4 Mountable Distribution Amplifier

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 10 metres and can also be cascaded. The QU-14WE has mounting lugs cleverly integrated into the casing for easy horizontal or vertical mounting.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 4 Mountable Splitter.
- Resolutions supported:
  - PC - VGA to UXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

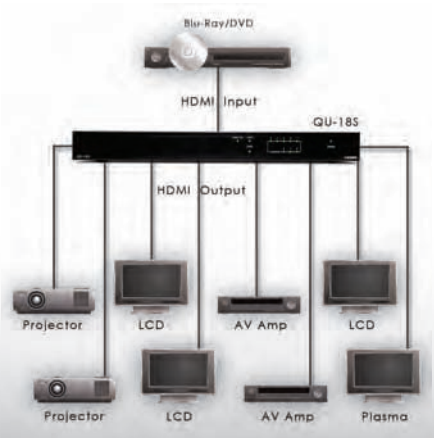
Input:	1 x HDMI
Output:	4 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	94mm (W) x 187mm (D) x 32mm (H)
Gross Weight:	560g
Net. Weight:	460g
Packaging:	Boxed

v1.3 HDMI 1 to 8 Rack Mountable Distribution Amplifier

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 20 metres and can also be cascaded.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 8 Splitter.
- Resolutions supported:
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

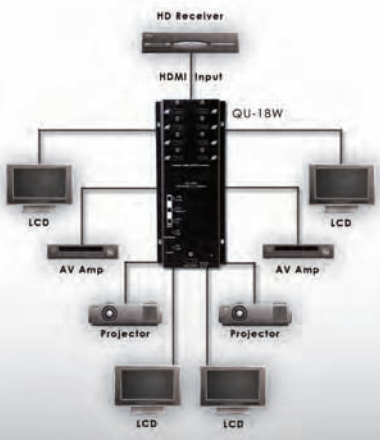
Input:	1 x HDMI
Output:	8 x HDMI
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 160mm (D) x 45mm (H)
Gross Weight:	2020g
Net. Weight:	1750g
Packaging:	Boxed

v1.3 HDMI 1 to 8 Mountable Distribution Amplifier

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 10 metres and can also be cascaded. The QU-18WE has mounting lugs cleverly integrated into the casing for easy horizontal or vertical mounting.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 8 Mountable Splitter.
- Resolutions supported:
  - PC - VGA to UXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

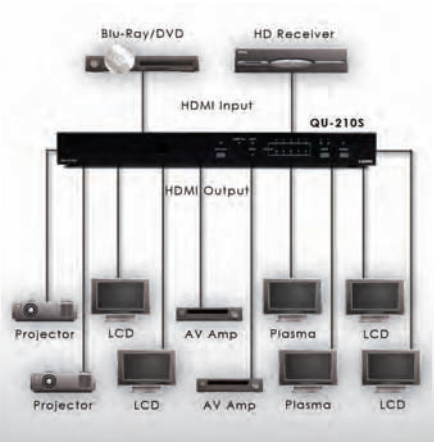
Input:	1 x HDMI Female Ports
Output:	8 x HDMI Female port
Power:	5V/3.2A, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	93mm (W) x 220mm (D) x 32mm (H)
Gross Weight:	700g
Net. Weight:	460g
Packaging:	Boxed

v1.3 HDMI 2 to 10 Rack Mountable Distribution Amplifier

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 20 metres and can also be cascaded.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 2 to 10 Splitter.
- Resolutions supported:
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

Input:	2 x HDMI
Output:	10 x HDMI
Power:	5V/6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	435mm (W) x 160mm (D) x 45mm (H)
Gross Weight:	2120g
Net. Weight:	1760g
Packaging:	Boxed

v1.3 HDMI 1 to 4 Distribution Amplifier

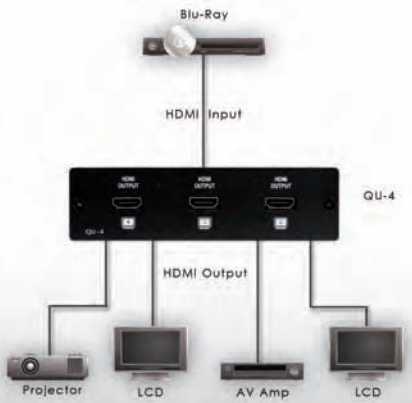
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 15 metres and can also be cascaded.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 4 distribution amplifier.
- Resolutions supported:
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10, & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

Input:	1 x HDMI
Output:	4 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	142mm (W) x 95mm (D) x 40mm (H)
Gross Weight:	700g
Net. Weight:	560g
Packaging:	Boxed

v1.3 HDMI 1 to 4 Distribution Amplifier with System Reset

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 15 metres and can also be cascaded. The additional system reset function will generate a command every 10 minutes, which resets the displays to the designated HDMI input.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 4 distribution amplifier with System Reset function.
- Resolutions supported:
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10, & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.

Specifications

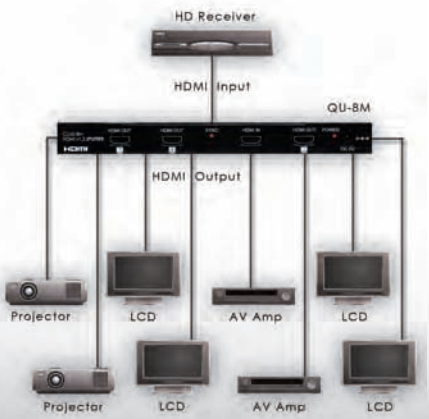
Input:	1 x HDMI
Output:	4 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	142mm (W) x 95mm (D) x 40mm (H)
Gross Weight:	700g
Net. Weight:	560g
Packaging:	Boxed

v1.3 HDMI 1 to 8 Distribution Amplifier with System Reset

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 15 metres and can also be cascaded. The additional system reset function will generate a command every 10 minutes, which resets the displays to the designated HDMI input.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI 1 to 8 Splitter with System Reset function.
- Resolutions supported:
  - PC - VGA to UXGA
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Auto signal amplification & equalisation improves signal transmission distances.
- Supports CEC bypass.
- Supports 'Deep Colour' (10, & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- 3D Ready.



Specifications

Input:	1 x HDMI
Output:	8 x HDMI
Power:	5V/5A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	240mm (W) x 105mm (D) x 30mm (H)
Gross Weight:	1240g
Net. Weight:	1000g
Packaging:	Boxed

Relay

The Relay range has been developed to provide solutions for extending and equalising HDMI signals over long distances, whilst maintaining the highest possible clarity. A HDMI over 5 BNC extender is available within the range, for use when replacing legacy RGBHV projectors using the existing cable infrastructure.

www.cypeurope.com

www.cie-group.com

v1.3 HDMI to HDMI Equaliser

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The RE-11HS Equaliser uses v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio with a high bandwidth up to 225MHz. The product supports cable lengths up to 40 metres from the source and 10 metres to the display.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI to HDMI Equaliser.
- Resolutions Support: (Output resolution follows Input).
  - PC: VGA,SVGA,XGA,SXGA and UXGA (1600 x 1200).
  - HDTV: 480i, 576i, 480p, 576p, 720p, 1080i & 1080p + 1080P 24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Corrects digital error and automatically provides equalisation up to 40dB.
- Automatic equalisation up to 40dB.
- 3D Ready.

Specifications

Input:	1 x HDMI
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	75mm (W) x 72mm (D) x 30mm (H)
Gross Weight:	320g
Net. Weight:	260g
Packaging:	Boxed

v1.3 HDMI to HDMI Repeater

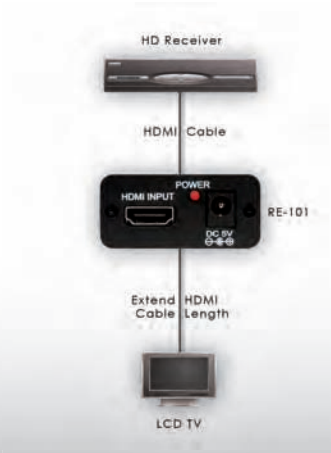
3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The RE-101 repeater uses v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio with a high bandwidth up to 225MHz. This solution allows distribution of HDMI up to a length of 30 metres.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- HDMI to HDMI Repeater.
- Supports high definition up to 1080p @50/60Hz, output resolution follows input.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Equalises and recovers incoming TMDS data before re-transmitting so that the output is of optimal quality, regardless of incoming signal.
- Supports CEC functions.
- Supports 'Deep Colour' (10, & 12 bit).
- 3D Ready.



Specifications

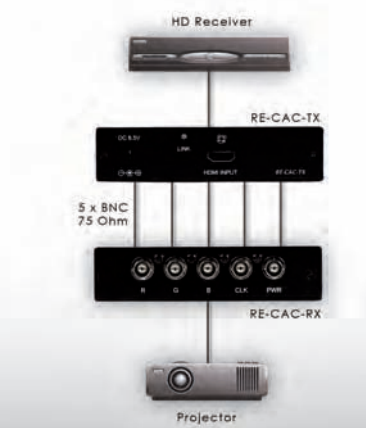
Input:	1 x HDMI
Output:	1 x HDMI
Power:	5V/2.6A DC (US/EU Standards, CE/FCC/UL Certified)
Dimensions:	50mm (W) x 55mm (D) x 25mm (H)
Gross Weight:	340g
Net. Weight:	260g
Packaging:	Boxed

v1.3 HDMI Converter to 75Ω Coaxial cable extender set

The RE-CAC Active multimedia transmitter and receiver set is used for long distance cable runs to any HDMI display without loss of image quality. For example; this can be used when replacing an old Barco projector with a new HDMI projector, whereby the existing 75Ω coaxial cabling can be reused.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI to 75Ω Coaxial cable extender set.
- Resolutions supported:
  - PC - VGA to WUXGA.
  - HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- RG6 type Coaxial cable reccomended.
- Supports CEC functions.
- Supports 'Deep Colour' (10 & 12 bit).
- 3D Ready.



Specifications

Input:	1 x HDMI to 5 x BNC Connectors
Output:	5 x BNC Connectors to 1 x HDMI
Power:	12V/1.25A DC (US/EU Standards, CE/FCC/UL Certified)
Dimensions:	125mm (W) x 110mm (D) x 30mm (H) each
Gross Weight:	1280g
Net. Weight (Tx):	300g
Net. Weight (Rx):	280g
Packaging:	Boxed

Spectrum

Utilising the HQV chipset, the Spectrum upscaler is the professionals choice when the very best HD performance is imperative. This unit enhances analogue or HD signals up to HDMI 1080p including "deep colour" and true 10bit processing with outstanding results.

www.cypeurope.com

www.cie-group.com

v1.3 HDMI HQV Scaler

3D READY

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

The SP-SOT2 HQV Scaler allows the user to maximize the full benefits of today's High Definition TV by recreating a cinema viewing experience as the original digital content was intended.
Using the Industry leading HQV Realta Video Processor to convert any content into a crisp, stunning, detailed picture plus its noise and artefact free. Edge redrawing when de-interlacing for stunning (1080i to 1080p) video quality.

Features

- v1.3 HDMI, HDCP 1.1 & DVI 1.0 compliant.
- HDMI HQV Scaler.
- Resolution Support: 720p, 1080p and various other PC & HD settings (please refer to the manual for a full detailed list).
- Video Support: NTSC/PAL/SECAM.
- Audio Support: Analogue stereo, HDMI - PCM stereo, DTS and Dolby Digital.
- Auto detects the different type of noise, and applies the appropriate correction algorithm.
- Auto detects and corrects cadences (inc. 3:2:3:2:2 and animation).
- Motion adaptive four field de-interlacing for SD and HD input resolutions.
- IR remote control.
- 3D Ready.

Specifications

Input:	1 x Composite Video + 1 x L/R Audio 1 x S-Video + 1 x L/R Audio 1 x Component + 1 x L/R Audio 2 x HDMI
Output:	1 x HDMI 1 x Component + 1 x L/R Audio
Power:	5V/5A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	216mm (W) x 210mm (D) x 50mm (H)
Gross Weight:	2300g
Net. Weight:	1960g
Packaging:	Boxed

Synergy

An extensive range of format converters providing multiple solutions in any home and professional installation scenario. This range includes converters of PC, YUV and SCART sources to HDMI.

www.cypeurope.com

www.cie-group.com

Scart to HDMI Scaler

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-1080SC scaler will take any SCART signal input and convert and scale up to 1080p HDMI output.

Features

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- Scart to HDMI Scaler.
- Automatic resolution selection and individual resolution selection button - from 576p up to 1080p.
- Input video systems - NTSC3.58 / PAL / RGB 50Hz / RGB 60Hz auto-detection.
- Analogue stereo audio input (from Scart).
- Automatic lip-sync (audio delay) ensures audio video synchronisation.
- Supports Deep Colour (10 & 12 bit) at HDMI output.
- Digital, Block & MPEG Noise reduction.
- High Quality Image Enhancer (HQE) function.

Specifications

Input:	1 x RGB Scart
Output:	1 x HDMI
Power:	5V/2.6A, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	151mm (W) x 125mm (D) x 30mm (H)
Gross Weight:	600g
Net. Weight:	340g
Packaging:	Boxed

CV or SV to HDMI Converter

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-720CV converts either a composite or s-video plus analogue stereo audio to HDMI (720p) together with an extra audio output.

Features

- NTSC & PAL compliant with automatic input recognition.
- CV or SV to HDMI Converter.
- Video Support: Input - 480i & 576i; Output - 720p.
- Audio Support: Input - Analogue stereo; Output - PCM Stereo (HDMI) plus Analogue stereo.
- Selectable sync rate 50 or 60hz ensuring compatibility with any HD display.
- Simple input switch: Video / S-video.
- Automatic lip sync (audio delay) function.
- Input indicator LED: Green for Video; Red for S-video.

Specifications

Input:	1 x Composite 1 x S-Video 1 x 3.5mm Stereo Audio Jack
Output:	1 x HDMI 1 x 3.5mm Stereo Audio Jack
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	77mm (W) x 155mm (D) x 30mm (H)
Gross Weight:	660g
Net. Weight:	420g
Packaging:	Boxed

Scart to HDMI Scaler

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-720SC converts Scart to HDMI (720p) together with an extra audio output.

Features

- NTSC & PAL compliant with automatic input recognition.
- SCART (RGB or video) to HDMI Converter.
- Video Supports: Input - 480i & 576i; Output - 720p.
- Audio Support: Input - Analogue stereo (Scart); Output - PCM Stereo (HDMI) plus Analogue stereo.
- Selectable sync rate 50 or 60hz ensuring compatibility with any HD display.
- Automatic lip sync (audio delay) function.

Specifications

Input:	1 x RGB Scart
Output:	1 x HDMI 1 x 3.5mm Stereo Audio Jack
Power:	5V/2.6A, DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	77mm (W) x 155mm (D) x 30mm (H)
Gross Weight:	720g
Net. Weight:	460g
Packaging:	Boxed

PC/DVI to HDMI Converter

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-P290 is designed to convert and scale Digital or Analogue RGBHV or YUV to HDMI for improved viewing. This unit offers a wide selection of output resolutions/formats, colour space and adjustment to obtain the best picture quality.

Features

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- PC/DVI to HDMI Converter.
- Resolutions supported:
  - Input; PC - VGA to WUXGA; HDTV - 480i to 1080p.
  - Output; PC - XGA & UXGA; HDTV - 720p & 1080p.
- Audio Support: Input - Analogue stereo & Coax, PCM Stereo, DTS & Dolby Digital; Output - Follows Input.
- Scale analogue RGBHV/YUV and/or DVI/HDMI resolutions to XGA/UXGA/720p/1080p.
- Direct push button controls for Audio, Video & Timing.

Specifications

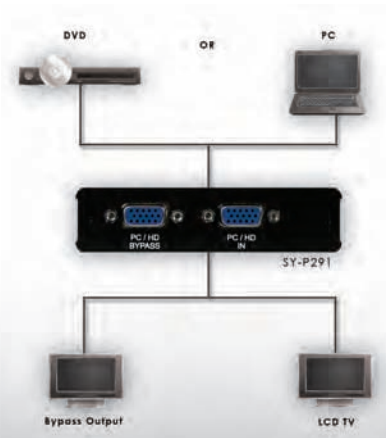
Input:	1 x 15-Pin D-sub (RGBHV) 1 x DVI-D 1 x Coaxial Audio (RCA) 1 x 3.5mm Stereo Audio Jack
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 160mm (D) x 25mm (H)
Gross Weight:	700g
Net. Weight:	440g
Packaging:	Boxed

PC/HD to PC/HD Scaler Converter with Bypass output

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-P291 is designed to convert and scale analogue PC/HD inputs offering a wide range of PC/HD resolutions and adjustments to obtain the best picture quality.

Features

- RGBHV, YPbPr & YCbCr compatible.
- PC/HD to PC/HD Scaler Converter with Bypass output.
- Resolutions Supported:
  - PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
  - SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- On Screen Menu with push button control.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- Bypass output - mirrors input.



Specifications

Input:	1 x PC (15 pin D-sub)
Output:	1 x PC (15 pin D-sub)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 160mm (D) x 25mm (H)
Gross Weight:	950g
Net. Weight:	460g
Packaging:	Boxed

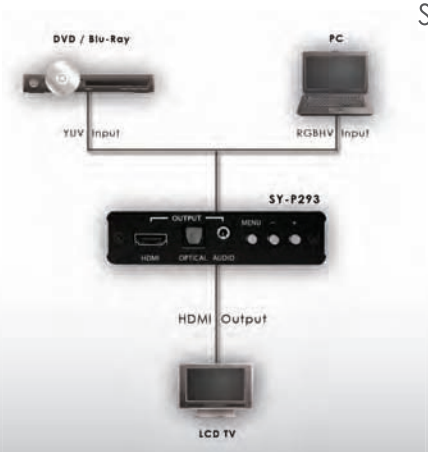
PC to HDMI Scaler Converter with Audio

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-P293 is designed to scale analogue video signal from a PC source to a digital HDMI output boasting a wide-range of HDTV and PC resolutions. Audio is combined with HDMI video output. This unit offers a selection of colour space and adjustment to obtain the best picture quality.

Features

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- PC to HDMI Scaler Converter with Audio.
- Scales any PC resolutions to PC or HDTV resolutions.
- Resolutions Supported:
  - PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
  - SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Audio Support: Analogue Stereo, Digital stereo PCM, DTS, and Dolby Digital. Simply select from the audio input source this is then outputted to HDMI, Optical (Toslink), and mini-jack (stereo only) simultaneously.
- On Screen Menu with push button control.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.



Specifications

Input:	1 x 15 Pin D-sub (RGBHV) 1 x 3.5mm Stereo Audio Jack 1 x Optical (Toslink)
Output:	1 x HDMI 1 x 3.5mm Stereo Audio Jack 1 x Optical (Toslink)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 154mm (D) x 25mm (H)
Gross Weight:	1000g
Net. Weight:	700g
Packaging:	Boxed

Component (YUV) to HDMI Converter Scaler with Audio

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-P294 is designed to scale analogue video signal from a YUV source to a digital HDMI output boasting a wide-range of HDTV and PC resolutions. Audio is combined with HDMI video output. This unit offers a selection of colour space and adjustment to obtain the best picture quality.

Features

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- Component (YUV) to HDMI Converter Scaler with Audio.
- Scales any YUV resolution to PC or HDTV resolutions.
- Resolutions Supported:
  - PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
  - SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Audio Support: Analogue Stereo, Digital stereo PCM, DTS, and Dolby Digital. Simply select from the audio input source, this is then outputted to HDMI, Optical (Toslink) and mini-jack (stereo only) simultaneously.
- A comprehensive OSD menu provides picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- Automatic detection of the connected screens factory setting, matching the resolution and refresh rate, when the NATIVE output is selected.

Specifications

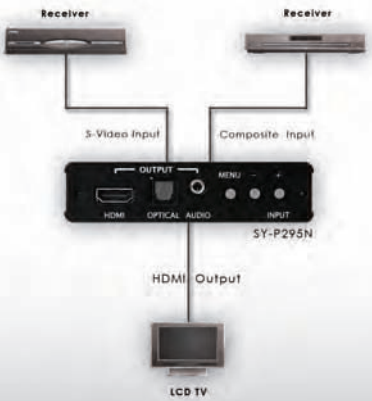
Input:	1 x YUV (3 x RCA) 1 x 3.5mm Phono jack 1 x Optical (Toslink)
Output:	1 x HDMI 1 x 3.5mm Phono jack 1 x Optical (Toslink)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 154mm (D) x 25mm (H)
Gross Weight:	1000g
Net. Weight:	700g
Packaging:	Boxed

Analogue to HDMI Converter Scaler with Audio

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-P295N is designed to scale analogue video signal from a CV or SV source to a digital HDMI output, boasting a wide-range of HDTV and PC resolutions. Audio is combined with HDMI video output. This unit offers a selection of colour space and adjustment options to obtain the best picture quality.

Features

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant.
- Analogue to HDMI Converter Scaler with Audio.
- Video Support: Input - PAL & NTSC
- Resolutions Supported:
  - PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
  - SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Audio Support: Analogue Stereo, Digital stereo PCM, DTS, and Dolby Digital. Simply select from the audio input source, this is then outputted to HDMI, Optical (Toslink), and mini-jack (stereo only) simultaneously.
- A comprehensive OSD menu provides picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (colour tone) level and aspect ratio size.
- Automatic detection of the connected screens factory setting, matching the resolution and refresh rate, when the NATIVE output is selected.



Specifications

Input:	1 x S-Video 1 x Composite Video 1 x 3.5mm Stereo Audio Jack 1 x Optical (Toslink)
Output:	1 x HDMI 1 x 3.5mm Stereo Audio Jack 1 x Optical (Toslink)
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 187mm (D) x 25mm (H)
Gross Weight:	880g
Net. Weight:	680g
Packaging:	Boxed

Analogue HD Down-Scaler with Bypass Output

The Synergy range of format converters provide solutions across the board in home and professional installation scenarios. The SY-PT387 converts HD Component Video (YPbPr) to Composite or S-video signals for recording & distributing whilst maintaining the analogue HD for the main display.

Features

- PAL & NTSC compatible.
- Analogue HD Down-Scaler with Bypass Output.
- Video Support: HD Component input (YPbPr) up to 1080p.
- Composite and S-video simultaneous outputs.
- Image Overscan/Underscan selection.
- Output switched between NTSC/PAL.

Specifications

Input:	1 x Component (Y/Pb/Pr)
Output:	1 x Composite 1 x S-Video 1 x Component bypass (Y/Pb/Pr)
Power:	5V/2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	102mm (W) x 154mm (D) x 25mm (H)
Gross Weight:	1000g
Net. Weight:	700g
Packaging:	Boxed

Wireless

The proven, HDCP certified, CYP wireless HD solution supports resolutions up to and including 1080P @ 24fps. The wireless range is up to 30 metres (open field) using ultra-wide bandwidth technology. This advanced wireless system incorporates 3 HDMI inputs and includes CEC support functionality and remote switching.

www.cypeurope.com

www.cie-group.com

Wireless HDMI Solution

Input and switch any three HDMI devices and send your HD signals wirelessly in "real time" to any HD display within a 30 metre range. With CYP video interfacing technology the HDMI wireless set will send uncompressed HD Audio & Video and deliver superb picture quality at 1080i + 1080p 24fps without any delays.

Features

- Uncompressed HD Audio/Video Wireless Transmission at wire equivalent quality
- Fully HDCP compliant with 256 bit encryption
- Stereo and 5.1 Surround Sound Audio Support
- Supported Resolutions: Up to 720p, 1080i and 1080p@24fps
- Range: Up to 30m (open field) – no line of sight required
- Operating on Band A (Unlicensed) 5150 - 5350Mhz
- Less than 1 millisecond latency
- IR Remote Control
- Plug and Play
- Product sold as a complete set (Transmitter & Receiver).

Specifications

Input:	3 x HDMI on TX Transmitter Unit
Output:	1 x HDMI on RX Receiver Unit
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	165mm (W) x 163mm (D) x 35mm (H) each
Gross Weight:	1580g
Net. Weight (Tx):	380g
Net. Weight (Rx):	340g
Packaging:	Boxed

Xaminer

Essential for any environment where signal testing is required, the CYP Xaminer range provides pattern generation & EDID coding, dramatically reducing fix time for HD screens-to-source compatibility issues.

www.cypeurope.com

www.cie-group.com

HDMI Pattern Generator

The XA-4 HDMI Pattern Generator with HDCP verification and EDID analysis. Offering up to 36 different video patterns via its OSD menu plus remote operation. Sine wave audio output through HDMI or use the separate optical input.

Features

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 Compliant.
- HDMI Pattern Generator.
- Resolutions Supported:
  - PC - VGA, SVGA, XGA, SXGA, UXGA & WUXGA (all at 60hz).
  - HDTV - 480p, 576p, 720p, 1080i, 1080p.
- Built in 1kHz Sine wave (48kHz sample rate) or separate optical input for audio referencing.
- Patterns: 8 Groups with 36 Patterns.
- Remote Operation.
- On Screen Menu.
- LED panel with Power & HDCP LED indicators.

Specifications

Input:	1 x Optical (Toslink) Audio
Output:	1 x HDMI
Power:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	125mm (W) x 930mm (D) x 30mm (H)
Gross Weight:	500g
Net. Weight:	380g
Packaging:	Boxed

Pro HDMI Test Pattern Generator

The XA-HDMI Professional Pattern Generator offer a combination of various timings, patterns, and colour spaces. It can provide up to 4095 types of video testing signals. This generator also supports three types of audio testing signal, built-in sine wave, external analogue audio and external digital audio. Its operation is simple yet comprehensive, use the remote or push buttons to select timings.

Features

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 Compliant.
- Pro HDMI Test Pattern Generator.
- Resolutions Supported:
  - PC - VGA to WUXGA.
  - HDTV - 480i to 1080p (please refer to the manual for a full detailed list).
- Built in 1kHz Sine wave (adjustable sampling rate) together with analogue stereo & optical inputs fro audio referencing.
- Provides total 35 timings and 39 patterns.
- RS-232 & IR Remote control.
- On-panel LED display and LED indicators (HDCP verification LED).

Specifications

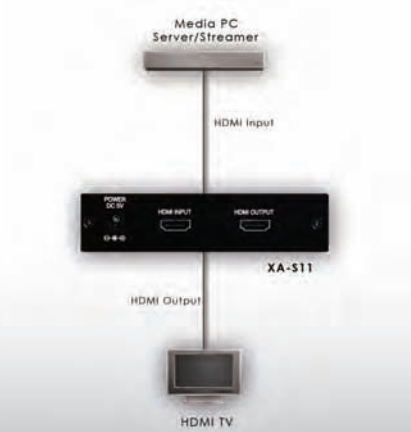
Input:	1 x Audio L/R 1 x Optical (Toslink)
Output:	1 x HDMI 1 x RS-232
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions:	280mm (W) x 145mm (D) x 45mm (H)
Gross Weight:	1340g
Net. Weight:	980g
Packaging:	Boxed

EDID/CEC Selector

This high performance HDMI v1.3 switcher allows the user to set up a firm EDID and CEC connection between the source and the display, eliminating the time spent on signal configuration with synchronization before receiving a display.

Features

- Compliant with HDMI 1.3 and DVI 1.0 standards
- Serial data rate at up to 2.25Gbps, capable of supporting the following digital video formats in Deep Color Mode at up to 36 bits (12 bits/color).
- HDTV resolutions: 480i/p, 576i/p, 720p, 1080i/p
- PC resolutions: VGA, SVGA, XGA, SXGA to UXGA
- Supports HD audio-Dolby Digital TrueHD and DTS-HD
- Embedded EDID RAM and Built-in CEC support with compliant CEC PHY
- Signal Enhancement feature allows you to improve signal quality after long distance transmission
- 3D Ready.



Specifications

Input:	1 x HDMI
Output:	1 x HDMI
Power:	5V/2.6A DC (US/EU standards, CE/FCC/UL (certified)
Dimensions:	97mm (W) x 125mm (D) x 30mm (H)
Gross Weight:	630g
Net. Weight:	550g
Packaging:	Boxed

Glossary

24fps (24p) – refers to a video format that operates at 24 frames per second frame rate with progressive scanning.

5 GHz - Wireless technology using the unlicensed 5GHz frequency bands.

50 Hz – Common Frame rate (image change rate) for video within Europe.

60 Hz - Common Frame rate (image change rate) for video within America/Japan.

5.1 – Surround sound that delivers 6 channels of audio, 5 standard speakers and 1 Sub-woofer.

7.1 – Surround sound that delivers 8 channels of audio, 7 standard speakers and 1 Sub-woofer.

A
ADC (A/D Converter) – A IC Chip that converts analogue signals into digital.
AV – Products for recording, processing or reproduction of picture and/or sound are given this label.

B
Bit - In computer and digital terminology a bit is the smallest unit of data. It is expressed in binary notation so that it is either 0 or 1 - basically an 'off' or an 'on' switch. The word 'bit' is an amalgam of 'binary' and 'digit'.

Bit rate – The number of bits that are transferred or processed per unit of time.

Bitstream - is the digital form of multi-channel audio data (e.g., 5.1 channel) before it is decoded into its various formats.

Block Noise Reduction – MPEG digital video compression works by compressing square areas of pixels. Under some conditions, an artifact called block noise can occur in the picture. Block Noise Reduction processes the noise blocks so that they become less visible.

Blu-ray - The Blu-ray Disc™ is a high-density optical disc format designed for storage of high-definition video and data.

C
Coaxial Digital Audio - Coaxial digital cables are the most common type of connection cable used for digital audio. They look similar to the RCA cables that many people use and are familiar with. The only difference is that it carries digital instead of analog signals.

Component Video - video signal is separated into its component form i.e. red, green(sync) and blue and referred to as YUV. (also see YPbPr and YCbCr). Component Video signal is the same as YUV where Y = luminance Pb = blue minus luminance and Pr = red minus luminance.

Composite Video - The composite video signal is where the luminance and chrominance are mixed together with sync information down a single cable.

Chrominance - is the signal used in video systems to convey the color information of the picture.

Glossary

D
DAC (D/A converter) - An IC Chip that converts digital signals into analogue.

Deep Colour - is a term used to describe a gamut (colour space) comprising a billion or more colors. The HDMI 1.3 specification supports Deep Colour bit depths. It defines bit depths for Deep Color as 30 (10) bits (1.073 billion colors), 36 (12) bits (68.71 billion colors), and 48 (16) bits (281.5 trillion colors).

Dolby TrueHD - Dolby TrueHD is an advanced lossless multi-channel audio codec developed by Dolby Laboratories which is intended primarily for high-definition home-entertainment equipment such as Blu-ray discs.

Dolby Digital Plus (DD+) – a digital audio compression format developed from the earlier Dolby Digital increasing quality and available channels.

DTS-HD Master Audio - is a lossless audio codec created by Digital Theater System, developed from the earlier DTS with increased sampling frequency and bit rate.

Dynamic Range - Dynamic range describes the ratio of the quietist sound to the loudest sound in a musical instrument or piece of electronic equipment.

Downscaling –is the reduction of video signal from one size (resolution) to another

DVI – Digital Video Interface is a video interface standard designed to provide very high visual quality on digital display devices such as flat panel LCD displays and digital projectors.

Digital Noise Reduction - Eliminates unwanted colour noise from the video signal for smoother image reproduction.

De-interlaced Video – a video image is made up of a series of still images played in rapid succession, this is divided into a series of scan lines drawn on the display, De-interlaced video draws all these scan lines in one pass.

E
Ethernet - A PC interface used to connect computers and peripherals in a Local Area Network (LAN).

F
Full HD – 1920 x 1080p (progressive) video resolution.

G

H
HD – High Definition.

HD Ready - TVs that can display High Definition content in both 720p and 1080i formats as a minimum standard.

HDD – Hard disk drive.

HDTV – High definition Television.

Glossary

HDMI - stands for High-Definition Multimedia Interface and provides an easy and convenient way of iconnecting digital audio-video components.

HDMI v1.x – different HDMI specifications released by HDMI LLC.

HDCP - Stands for High-bandwidth Digital Content Protection. It is a copy-protection scheme developed by Intel to be used in conjunction with DVI and HDMI connections.

I
Interlaced Video - a video image is made up of a series of still images played in rapid succession, this is divided into a series of scan lines drawn on the display, Interlaced video draws all these scan lines in two passes.

IP – Internet protocol.

IR – Infra Red, commonly used as a wireless line of sight control for AV equipment.

J
JPEG - stands for Joint Photographic Experts Group, a consortium that has developed and spread this format worldwide. It is a compression format that efficiently stores digital images.

K

L
LCD – Liquid Crystal Display, High quality LCD display gives a clearer picture with excellent colour, contrast and detail, also used with some projectors.

LED – Light-emitting Diode, a semiconductor device that emits visible light when an electric current passes through it.

LPCM - Linear Pulse Code Modulation is an uncompressed audio technology. Instead of compressing sound data, it simply stores the information as it is, giving you an exact copy of the original. Various bit and sampling rates can be used.

Luminance - This is the signal used in video systems to convey the light information of the picture.

M
MPEG4 - Stands for Motion Picture Experts Group and represents a family of digital audio and video coding standards. MPEG4 has a high compression ratio, which creates a small file size that's suitable for personal computer and Internet applications.

Motion Adaptive Field Noise Reduction - This new noise-reduction technology reduces background noise, without having an effect on moving objects.

N
NTSC - In the US and Japan, NTSC (National Standards Television Committee) is the standard used for all video equipment. NTSC uses 525 lines to make up a TV picture and scans at 60Hz.

Glossary

O
OSD – On Screen Display.

Optical Digital Dudio – optical digital cables use the Toslink connector, these use pulses of light to transmit digital audio data. Optical uses light thus it is immune to interference from electromagnetic and radio frequencies.

P
PAL – Phase Alternation Line, this is the video standard used most commonly in Europe. PAL uses 625 lines to make up a TV picture and scans at 50Hz.

PCM – Pulse Code Modulation, digital bitstream audio format commonly supporting 16 bit up to 48 KHz sampling frequency in stereo.

Pixel - Short for Picture Element, Pixels are the tiny dots of information that make up a digital image. The more pixels there are on the camera's image sensor (CCD or CMOS) or display, the higher the image resolution will be.

Progressive Scan – a sales term for describing de-interlaced video.

PVR – Personnel Video Recorder, a device that records video without videotapes or discs.

Pass Through – Video by-pass output; outputs an additional copy of the original input signal.

R
Receiver (RX) – receives AV signal through various interconnects after being sent by compatible transmitter.

RCA – Recording Company of America, RCA (or Phono) is the standard way of connecting audio and video components.

RGB - Stands for red, green and blue. A video connector or lead which offers RGB output carries these primary colours separately for greater picture quality.

RJ45 - The RJ45 is a connector used on CAT cabling for connecting computers and other devices to local area networks (LANs).

RS-232 - is a voltage loop interface for two-way (full-duplex) communication.

Resolution - The amount of pixels in an image. The higher the resolution, the more detailed the picture will be.

S
Secam - The French broadcast system. Sequential Coleur A Memoire uses 625 lines scanned at 50Hz.

S-Video - A high quality video connection which offers better picture quality than standard composite video. S-Video cables have round, mini four-pin plugs and sockets.

Sampling Rate – Sampling is the process of converting the heights of a sound wave (analog signal) taken and converted at set periods into digits (digital encoding). Sampling frequency is the number of samples taken per second, so larger numbers mean more faithful reproduction of the original sound.

Glossary

SCART - An audio/video connector to carry the audio & video signals on one convenient cable.

SD – Standard Definition, traditional format used for TV made up of 576 (visible) Horizontal lines (PAL).

Stereo Sudio - Stereophonic sound, commonly called stereo, is the reproduction of sound using two or more independent audio channels through a symmetrical configuration of loudspeakers in such a way as to create the impression of sound heard from various directions, as in natural hearing.

T
TBC – Time Base Corrector, ensures optimum playback picture quality even in freeze frames or slow motion, and also compensates for any irregular movement of the tape transportation mechanism.

Transmitter - transmits AV signal through various interconnects and is accepted by a compatible receiver.

Toslink – see Optical digital audio

U
USB - Universal Serial Bus. A connection port for transferring digital data, generally used on PC's.

Upscaling – is the convertion of a video signal from one size (resolution) to another, upscalers increase the resolution.

V

W
Wireless - Devices which are Wi-Fi or Wireless enabled are able to connect to a local area network and send / receive data without the need for a physical (wired) connection.

X
xvYCC – extended gamut YCC (also called x.v.Colour) is a color space that can be used in the video electronics of television sets to support a gamut 1.8 times larger than that of standard sRGB color space.

Y
YPbPr – refers to Component video (YUV) at a higher resolution than standard definition.

YCbCr - refers to Component video (YUV) at standard definition.

Z

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